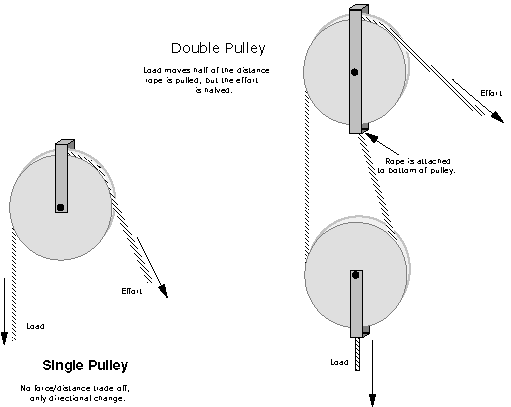
# REVIEW SHEET FOR THE SIMPLE MACHINE TEST

1. A machine that uses only one movement is a(n) \_\_\_\_\_\_\_\_\_\_.
2. The \_\_\_\_\_\_\_\_\_\_ is the number of times a force is multiplied by a machine.
3. Which common garden tools are levers?
4. On what point does a lever pivot?
5. A ramp in a building is an example of which machine?
6. Name four simple machines.
7. What does a screw consist of?
8. What is the mechanical advantage if 50 J are put in and 200 J are produced?
9. Using an inclined plane allows you to apply \_\_\_\_\_\_\_\_\_\_.
10. ~~Which of the following do you think a wheel and axle is most closely related to?~~
11. What happens to the total amount of work done when you use a machine compared to not using a machine?
12. Which simple machines are found on a hammer?
13. A chisel is an example of which machine?
14. An ideal machine is a machine in which there is no \_\_\_\_\_\_\_\_
15. A first class lever has the following configuration: \_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_
16. Each type of lever is used for a specific task. A first class lever is best to use in order to \_\_\_\_\_\_
17. A second class lever has the following configuration: \_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_
18. A third class lever has the following configuration: \_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_
19. A third class lever increases the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ over which the input force is applied.



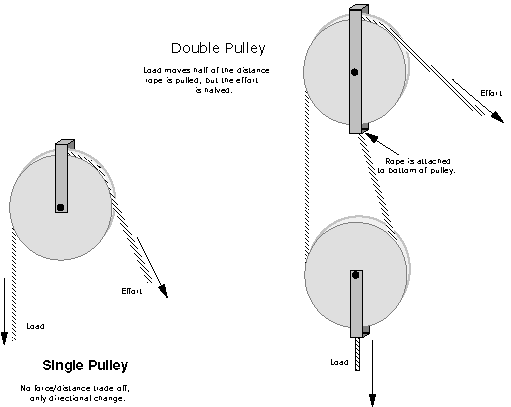
# 1

# 2 🖙

1. The pulley system in the illustration #1 is used to change the \_\_\_\_\_\_\_\_\_\_
2. The pulley system in the illustration #2 is used to decrease the \_\_\_\_\_\_\_\_\_\_\_
3. The pulley system in the illustration #2 has a mechanical advantage of \_\_\_
4. A fulcrum is used for which simple machine?
5. A machine made up of a combination of simple machines is called a \_\_\_\_\_\_\_\_\_
6. A can opener is a compound machine composed of the following simple machines:

# REVIEW SHEET FOR THE SIMPLE MACHINE TEST - ANSWERS

1. A machine that uses only one movement is a(n) simple machine.
2. The mechanical advantage is the number of times a force is multiplied by a machine.
3. Which common garden tools are a lever? Shovel, or rake
4. On what point does a lever pivot? the fulcrum
5. A ramp in a building is an example of which machine? inclined plane
6. Name the four simple machines. inclined plane, lever, wheel and axle, and pulley
7. What does a screw consist of? an inclined plane wrapped around a cylinder
8. What is the mechanical advantage if 50 J are put in and 200 J are produced? 4
9. Using an inclined plane allows you to apply a lesser force.
10. ~~Which of the following do you think a wheel and axle is most closely related to? lever~~
11. What happens to the total amount of work done when you use a machine compared to not using a machine? It decreases.
12. Which simple machines are found on a hammer? wedge and lever
13. A chisel is an example of which machine? wedge
14. An ideal machine is a machine in which there is no \_friction
15. A first class lever has the following configuration: output force(resistance) – fulcrum – input force (effort)
16. Each type of lever is used for a specific task. A first class lever is best to use in order to increase output force
17. A second class lever has the following configuration: input force (effort)– output force(resistance) – fulcrum
18. A third class lever has the following configuration: fulcrum – input force (effort) - output force(resistance)
19. A third class lever increases the \_distance over which the input force is applied.



# 1

# 2 🖙

1. The pulley system in the illustration #1 is used to change the \_direction of the input force
2. The pulley system in the illustration #2 is used to decrease the input force
3. The pulley system in the illustration #2 has a mechanical advantage of 2
4. A fulcrum is used for which simple machine? lever
5. A machine made up of a combination of simple machines is called a \_compound machine
6. A can opener is a compound machine composed of the following simple machines: a screw, a lever, a wedge, and a wheel and axle.